

Datasheet: VPA00748

BATCH NUMBER 170515

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|----------------------|------------------------|
| Description: | RABBIT ANTI CDK2 |
| Specificity: | CDK2 |
| Format: | Purified |
| Product Type: | PrecisionAb Polyclonal |
| Isotype: | Polyclonal IgG |
| Quantity: | 100 µl |

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

| | Yes | No | Not Determined | Suggested Dilution |
|------------------|-----|----|----------------|--------------------|
| Western Blotting | ▪ | | | 1/1000 |

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species

Human

Species Cross Reactivity

Reacts with: Rat

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Rabbit polyclonal antibody purified by affinity chromatography on Protein A

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN₃)
2% Sucrose

| | |
|---------------------------------------|--|
| Approx. Protein Concentrations | IgG concentration 0.5 mg/ml |
| Immunogen | Synthetic peptide encompassing the C terminal region of human CDK2 |
| External Database Links | <p>UniProt: P24941 Related reagents</p> <p>Entrez Gene: 1017 CDK2 Related reagents</p> |
| Specificity | <p>Rabbit anti Human CDK2 antibody recognizes cyclin-dependent kinase 2, also known as cdc2-related protein kinase, cell division protein kinase 2 and p33 protein kinase.</p> <p>The protein encoded by CDK2 is a member of the Ser/Thr protein kinase family. This protein kinase is highly similar to the gene products of <i>S. cerevisiae</i> cdc28, and <i>S. pombe</i> cdc2. It is a catalytic subunit of the cyclin-dependent protein kinase complex, whose activity is restricted to the G1-S phase, and essential for cell cycle G1/S phase transition. This protein associates with and regulated by the regulatory subunits of the complex including cyclin A or E, CDK inhibitor p21Cip1 (CDKN1A) and p27Kip1 (CDKN1B). Its activity is also regulated by its protein phosphorylation. Two alternatively spliced variants and multiple transcription initiation sites of CDK2 have been reported (provided by RefSeq, Jul 2008).</p> <p>Rabbit anti Human CDK2 antibody detects a band of 33 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p> |
| Western Blotting | Anti CDK2 antibody recognizes a band of approximately 33 kDa in Jurkat cell lysates |
| Storage | Store undiluted at -20°C, avoiding repeated freeze thaw cycles |
| Guarantee | 12 months from date of despatch |
| Acknowledgements | PrecisionAb is a trademark of Bio-Rad Laboratories |
| Health And Safety Information | Material Safety Datasheet documentation #10045 available at: https://www.bio-rad-antibodies.com/SDS/VPA00748 Antibody (10045) |
| Regulatory | For research purposes only |

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

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Fax: +1 919 878 3751

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

'M374068:201018'

Printed on 18 Jan 2024
